

Figure 1 shows a block diagram of a system architecture. The system includes a PC connected to a CODEC via USB. The CODEC has I<sup>2</sup>C, LINE\_OUT, and LINE\_IN interfaces. The LINE\_OUT interface is connected to a Programmable Amplifier, which is connected to a Transducer Selector. The Transducer Selector is connected to Speakers, Head/Insert-phones, and Bone Conductor. The LINE\_IN interface is connected to a Recording Selector, which is connected to External LINE\_IN (L and R) and the Transducer Selector.

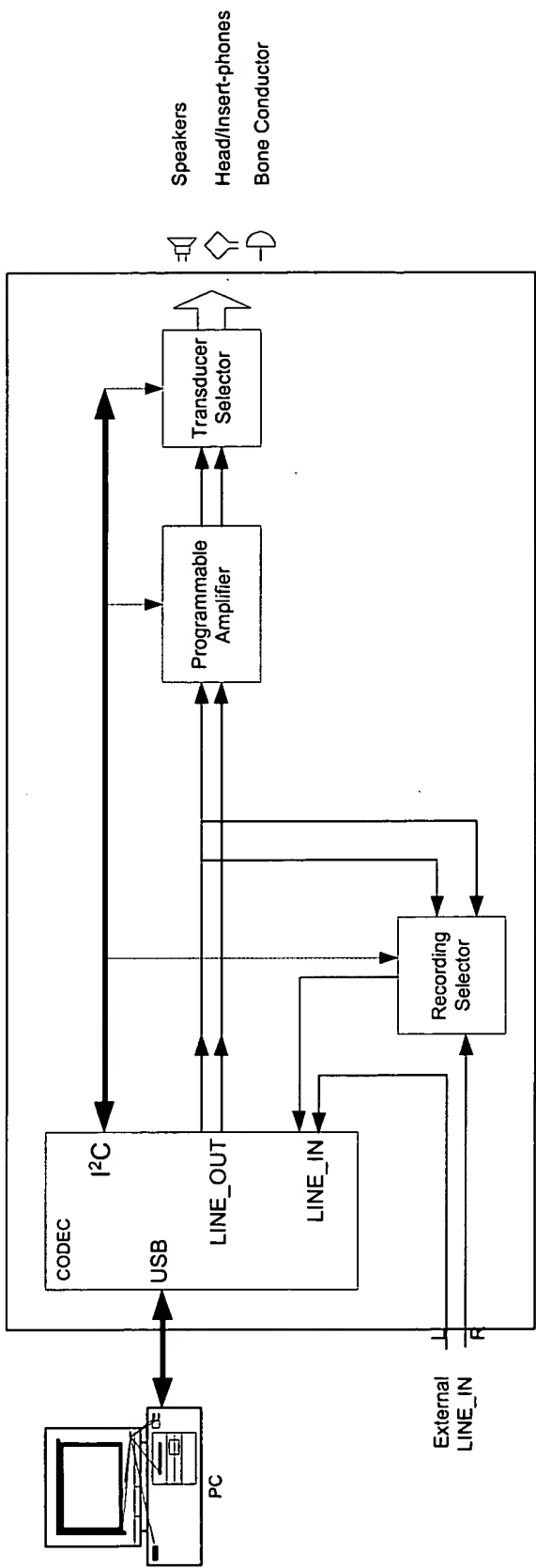


Figure 1

Figure 2: Block diagram of a power amplifier system with an input attenuator, a power amplifier, and an output attenuator.

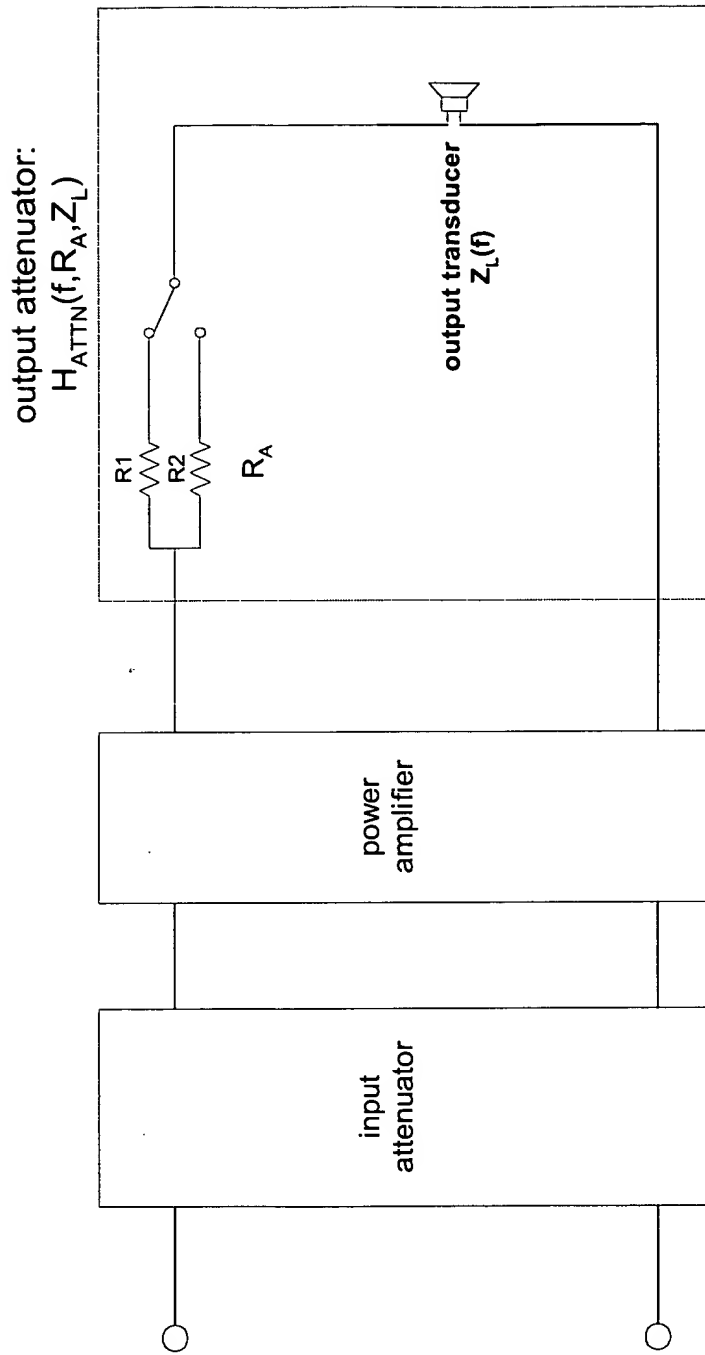


Figure 2

Figure 3: Block diagram of a 2-Channel Data Acquisition System for a speaker and microphone setup.

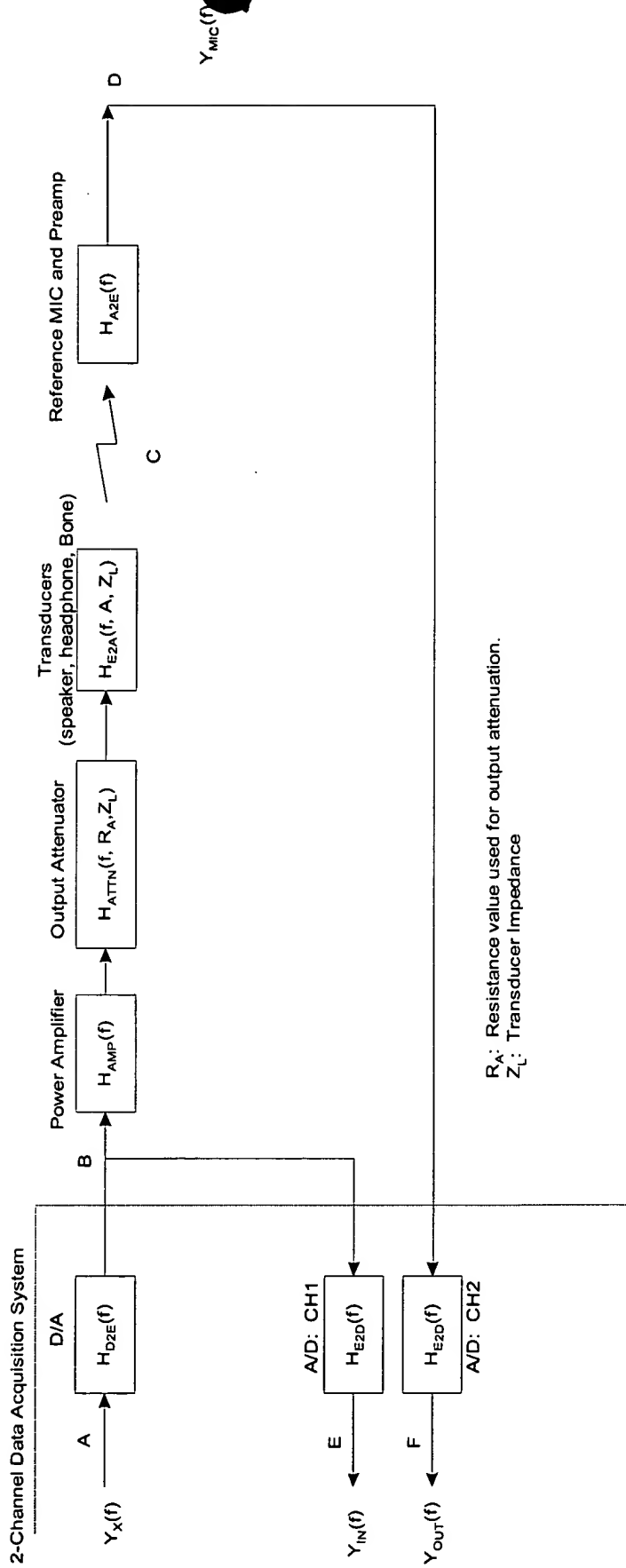


Figure 3